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AMENDMENTS TO THE CLAIMS

Claim 1 (original) A system for implementing a business application on an Internet based computer system using high-level object oriented technology and frameworks, comprising:

- a. a server computer hosting a business application management system platform, accessible via client computers to a plurality of users;
- b. the business application management system platform further comprising a WDK Web interface server for receiving a user selected command and for processing a web document that is a custom presentation of information;
- c. a BDK business server electronically coupled to the WDK Web interface server, for storing business objects to and retrieving business objects from a database containing persistent business object data related to the business application;
- d. an information distributor server electronically coupled to the WDK Web interface server for generating metadata for a business object, for storing the metadata in a metadata database, for querying the metadata database when asked to do so by a requestor, and for providing the results of a match to a query to the requestor;
- e. a first database of information related to the business application, the first database electronically coupled to the BDK business server, the first database also containing common business objects; and
- f. a second database of metadata related to business objects, the second database electronically coupled to the BDK business server;

whereby the business application is available via the internet to assist a user in performing a specific business operation which requires location of and use of business objects and display of results of the specific business operation to the user in a dynamically selectable format.

Claim 2 (original) The system of claim 1 wherein the business application management system platform further comprises an interconnect server, electronically coupled to the BDK business server, the interconnect server comprising a backbone framework for use in importing data and for exporting data to and from a third party business application located on another server.

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Claim 3 (original) The system of claim 1 wherein the WDK Web interface server uses an MVW engine for controlling outputs to a user by the use of model, view and widget files, which are extensible markup language (XML) files, and wherein the web document that is a custom presentation of information is a custom presentation of model, view and widget information.

Claim 4 (original) The system of claim 3 wherein the view file in the WDK Web interface server comprises a plurality of style sheets for use in determining a format of a display to be made to a user, the format being a function of whether the user is an HTML client, a PDF client or a WML client, and the MVW engine using the extensible style sheet transformation (XSLT) language for transforming an XML stylesheet into the format required by the user.

Claim 5 (original) The system of claim 1 wherein the BDK business server provides an Enterprise Java Bean (EJB) based applications programming interface (API).

Claim 6 (original) The system of claim 5 wherein the first database containing persistent business object data contains data comprising common business objects and application specific business objects.

Claim 7 (original) The system of claim 5 wherein the BDK business server is further electronically coupled to a core services layer comprising security services, internationalization services and reporting services.

Claim 8 (original) The system of claim 5 wherein the BDK business server comprises a framework which provides a wrapper around standard EJB entity beans and EJB session beans, the wrapper containing additional object data than that which is required by the EJB component architecture.

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Claim 9 (original) The system of claim 1 wherein the information distributor server generates metadata comprising data representing attributes of an object, an icon label related to an object if the object has a related icon, relationships of the object to other objects if the object has any such relationships, and data which a user may customize for a particular object.

Claim 10 (original) The system of claim 2 wherein the interconnect server backbone framework comprises mechanisms for using XML to import objects into the interconnect server, export objects from the interconnect server to other related business applications, and to monitor changes in specific objects whereby such changes can be reported to interested parties.

Claim 11 (original) An Internet-based method for implementing a business application using object oriented technology and frameworks comprising the following acts:

- a. providing a server computer hosting a business application management system platform, accessible via client computers to a plurality of users, the business application management platform including a user interface (UI) comprising controls whereby a user selects a command and a display whereby results are displayed;
- b. providing a WDK Web interface server as a part of the business application management system platform, for receiving the user selected command and for processing a web document that is a custom presentation of information;
- c. providing a BDK business server electronically coupled to the WDK Web interface server, for storing business objects to and retrieving business objects from a database containing persistent business object data related to the business application;
- d. providing an information distributor server electronically coupled to the WDK Web interface server for generating metadata for a business object, for storing the metadata in a metadata database, for querying the metadata database when asked to do so by a requestor, and for providing the results of a match to a query to the requestor;
- e. providing a first database of information related to the business application, the first database electronically coupled to the BDK business server, the first database also containing common business objects; and

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f. providing a second database of metadata related to business objects, the second database electronically coupled to the information distributor server;

whereby the business application is available via the internet to assist a user in performing a specific business operation which requires location of and use of business objects and display of results of the specific business operation to the user in a dynamically selectable format.

Claim 12 (original) The method of claim 11 comprising the additional act of providing an interconnect server, electronically coupled to the BDK business server, the interconnect server comprising a backbone framework for use in importing data and for exporting data to and from a third party business application located on a separate server.

Claim 13 (original) The method of claim 11 comprising the additional act of using an MVW engine for controlling outputs to a user by the use of model, view and widget files, which are extensible markup language (XML) files, and wherein the web document that is a custom presentation of information is a custom presentation of model, view and widget information.

Claim 14 (original) The method of claim 13 comprising the additional act of using, in the view file in the WDK Web interface server, a plurality of style sheets for use in determining a format of a display to be made to a user, the format being a function of whether the user is an HTML client, a PDF client or a WML client, and the MVW engine using the extensible style sheet transformation (XSLT) language for transforming an XML stylesheet into the format required by the user.

Claim 15 (original) The method of claim 11 wherein the BDK business server provides an Enterprise Java Bean (EJB) based API.

Claim 16 (original) The method of claim 15 comprising the additional act of using the first database containing persistent business object data to also contain data comprising common business objects and application specific business objects.

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Claim 17 (original) The method of claim 15 comprising the additional act of using the BDK business server in a manner where it is further electronically coupled to a core services layer comprising security services, internationalization services and reporting services.

Claim 18 (original) The method of claim 15 comprising the additional act of using the BDK business server to provide a framework which provides a wrapper around standard EJB entity beans and EJB session beans, the wrapper containing additional object data than that which is required by the EJB component architecture.

Claim 19 (original) The method of claim 11 comprising the additional act of using the information distributor server to generate metadata comprising data representing attributes of an object, an icon label related to an object if the object has a related icon, relationships of the object to other objects if the object has any such relationships, and data which a user may customize for a particular object.

Claim 20 (original) The method of claim 12 comprising the additional act of using the interconnect server backbone framework to comprise mechanisms for using XML to import objects into the interconnect server, export objects from the interconnect server to other related business applications, and to monitor changes in specific objects whereby such changes can be reported to interested parties.

Claim 21 (original) A computer-readable storage medium containing computer executable code for implementing a business application using object oriented technology and frameworks by instructing a computer to operate as follows:

a. load a business application management system platform, accessible via client computers to a plurality of users, the business application management platform including a user interface (UI) comprising controls whereby a user selects a command and a display whereby results are displayed;

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b. execute a WDK Web interface server as a part of the business application management system platform, for receiving the user selected command and for processing a web document that is a custom presentation of information;

c. execute a BDK business server electronically coupled to the WDK Web interface server, for storing business objects to and retrieving business objects from a database containing persistent business object data related to the business application;

d. execute an information distributor server electronically coupled to the WDK Web interface server for generating metadata for a business object, for storing the metadata in a metadata database, for querying the metadata database when asked to do so by a requestor, and for providing the results of a match to a query to the requestor;

e. access a first database of information related to the business application, the first database electronically coupled to the BDK business server, the first database also containing common business objects; and

f. access a second database of metadata related to business objects, the second database electronically coupled to the information distributor server;

whereby the business application is available via the internet to assist a user in performing a specific business operation which requires location of and use of business objects and display of results of the specific business operation to the user in a dynamically selectable format.

Claim 22 (original) The computer-readable storage medium of claim 21 wherein the computer is further instructed to execute an interconnect server, electronically coupled to the BDK business server, the interconnect server comprising a backbone framework for use in importing data and for exporting data to and from a third party business application located on a separate server.

Claim 23 (original) The computer-readable storage medium of claim 21 wherein the computer is further instructed to use an MVW engine for controlling outputs to a user by the use of model, view and widget files, which are extensible markup language (XML) files.

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Claim 24 (original) The computer-readable storage medium of claim 23 wherein the computer is further instructed to use, in the view file in the WDK Web interface server, a plurality of style sheets for use in determining a format of a display to be made to a user, the format being a function of whether the user is an HTML client, a PDF client or a WML client, and the MVW engine using the extensible style sheet transformation (XSLT) language for transforming an XML stylesheet into the format required by the user.

Claim 25 (original) The computer-readable storage medium of claim 21 wherein the BDK business server provides an Enterprise Java Bean (EJB) based API.

Claim 26 (original) The computer-readable storage medium of claim 25 wherein the computer is further instructed to use the first database containing persistent business object data to also contain data comprising common business objects and application specific business objects.

Claim 27 (original) The computer-readable storage medium of claim 25 wherein the computer is further instructed to use the BDK business server in a manner where it is further electronically coupled to a core services layer comprising security services, internationalization services and reporting services.

Claim 28 (original) The computer-readable storage medium of claim 25 wherein the computer is further instructed to use the BDK business server to provide a framework which provides a wrapper around standard EJB entity beans and EJB session beans, the wrapper containing additional object data than that which is required by the EJB component architecture.

Claim 29 (original) The computer-readable storage medium of claim 21 wherein the computer is further instructed to execute the information distributor server to generate metadata comprising data representing an object ID, attributes of an object, an icon label related to an object if the object has a related icon, relationships of the object to other objects if the object has any such relationships, and data which a user may customize for a particular object.

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Claim 30 (original) The computer-readable storage medium of claim 22 wherein the computer is further instructed to execute the interconnect server backbone framework wherein it uses XML to import objects into the interconnect server, export objects from the interconnect server to other related business applications, and to monitor changes in specific objects whereby such changes can be reported to interested parties.

Claim 31 (previously presented) An Internet-based method for implementing a business application using object oriented technology and frameworks comprising the following acts:

- a. providing a client input device having a user interface (UI) wherein the UI includes controls whereby a user selects a command and a display whereby results are displayed;
- b. transmitting the command to a server comprising a business application management system platform which includes a WDK Web interface server as a part of the business application management system platform, for receiving the user selected command and for processing a web document that is a custom presentation of information;
- c. providing a BDK business server electronically coupled to the WDK Web interface server, for storing business objects to and retrieving business objects from a database containing persistent business object data related to the business application;
- d. receiving at the client input device a display of results relating to the command, the results obtained by an information distributor server electronically coupled to the WDK Web interface server for generating metadata for a business object, for storing the metadata in a metadata database, for querying the metadata database when asked to do so by a client input device, and for providing the results of a match to a query to the client input device;

whereby the business application is available via the internet to assist a user in performing a specific business operation which requires location of and use of business objects and display of results of the specific business operation to the user in a dynamically selectable format.

Claim 32 (original) The Internet-based method of claim 31 wherein the client input device is a personal computer.

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Claim 33 (original) The Internet-based method of claim 31 wherein the client input device is a wireless personal data assistant device.

Claim 34 (original) The Internet-based method of claim 31 wherein the client input device is a cellphone.

Claim 35 (original) The Internet-based method of claim 31 comprising the additional act of receiving data from a related business application by means of an interconnect server, electronically coupled to the BDK business server, the interconnect server comprising a backbone framework for use in importing data and for exporting data to and from a third party business application located on a separate server.

Claim 36 (original) The Internet-based method of claim 31 wherein the results returned to the client input device is received from a WDK Web interface server which uses an MVW engine for controlling outputs to a user by the use of model, view and widget files, which are extensible markup language (XML) files.

Claim 37 (original) The Internet-based method of claim 36 wherein the WDK Web interface server, uses a plurality of style sheets in determining a format of a display to be made to a user, the format being a function of whether the user is an HTML client, a PDF client or a WML client, and the MVW engine using the extensible style sheet transformation (XSLT) language for transforming an XML stylesheet into the format required by the user.

Claim 38 (original) The Internet-based method of claim 31 wherein the BDK business server provides an Enterprise Java Bean (EJB) based API.

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Claim 39 (original) The Internet-based method of claim 38 comprising the additional act of receiving results obtained from a first database containing persistent business object data to also contain data comprising common business objects and application specific business objects.

Claim 40 (original) The Internet-based method of claim 38 wherein the results obtained for display are partially obtained from the information distributor server which generates metadata comprising data representing an object ID, attributes of an object, an icon label related to an object if the object has a related icon, relationships of the object to other objects if the object has any such relationships, and data which a user may customize for a particular object.

Claim 41 (currently amended) The Internet-based method of claim ~~[[12]]~~ 35 wherein the results obtained for display are partially obtained from the interconnect server backbone framework which uses mechanisms for using XML to import objects into the interconnect server, export objects from the interconnect server to other related business applications, and to monitor changes in specific objects whereby such changes can be reported to interested parties.

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